

Serial No. 09/461,846
Amendment After Final
April 8, 2002
Page 2 of 19

AMENDMENTS

In the Claims

Please cancel Claims 44 and 46.

Please amend Claims 2, 4, 6, 7, 13, 35-40, 43, 47, 50 and 51 as follows:

B1 2. (Amended) The article of Claim 1 wherein the article comprises a medical device.

B2 4. (Amended) The article of Claim 2 wherein the medical device is a catheter.

B3 6. (Twice Amended) The article of Claim 5 wherein the hydrophilic polymer is selected from the group consisting of polyurethanes, polyvinylpyrrolidones, polyvinyl alcohols, polyethylene glycols, polypropylene glycols, polyoxyethylenes, polyacrylic acid, polyacrylamide, carboxymethyl cellulose, cellulose, dextrans, polysaccharides, starches, guar, xanthan and other gums, collagen, gelatins, biological polymers, and mixtures and copolymers thereof.

7. (Twice Amended) The article of Claim 5 wherein the hydrophobic polymer is selected from the group consisting of polytetrafluoroethylene, polyvinyl chloride, polyvinylacetate, poly(ethylene terephthalate), silicone, polyesters, polyamides, polyureas, styrene-block copolymers, polymethyl methacrylate, polyacrylates, acrylic-butadiene-styrene copolymers, polyethylene, polystyrene, polypropylene, natural and synthetic rubbers, acrylonitrile rubber, and mixtures and copolymers thereof.

Serial No. 09/461,846
Amendment After Final
April 8, 2002
Page 3 of 19

B4 Sub D1 7 13. (Twice Amended) An article of manufacture comprising a composition comprising one or more polymers and a colloid wherein the colloid comprises one or more oligodynamic metal compounds, wherein the oligodynamic metal compounds are a plurality of metal salts, a plurality of metal oxides, or a combination of at least one metal salt and at least one metal oxide.

B5 14 36. (Amended) A method for the manufacture of an article comprising applying a coating composition to a substrate by spraying the coating composition onto the substrate or by dipping the substrate into the coating composition, wherein the coating composition comprises polymers, monomers, or any combination thereof, and a colloid, wherein the colloid comprises oligodynamic metal compounds, wherein the oligodynamic metal compounds are a plurality of metal salts, a plurality of metal oxides, or a combination of at least one metal salt and at least one metal oxide.

16 36. (Amended) A method comprising the steps of:

- 1) forming a composition that comprises a solution, dispersion, or combination thereof of one or more polymers containing a colloid wherein the colloid comprises oligodynamic metal compounds, wherein the oligodynamic metal compounds are a plurality of metal salts, a plurality of metal oxides, or a combination of at least one metal salt and at least one metal oxide; and
- 2) drying the composition.

16 36. (Amended) The method of Claim ¹⁵ 36, further comprising processing the dried composition with the application of heat.

58

b

Serial No. 09/461,846
Amendment After Final
April 8, 2002
Page 4 of 19

B⁵ cont. Sub. 7
C1
17₃₆. (Amended) A method comprising:

- 1) forming a composition that comprises solution, dispersion, or combination thereof of one or more polymers containing a colloid wherein the colloid comprises oligodynamic metal compounds, wherein the oligodynamic metal compounds are a plurality of metal salts, a plurality of metal oxides, or a combination of at least one metal salt and at least one metal oxide;
- 2) compounding the composition formed in (1) with one or more polymers; and
- 3) processing the composition formed in (2) with the application of heat.

18₃₆. (Amended) A method for the manufacture of an article comprising dipping a form in a composition comprising polymers, monomers, or any combination thereof, and a colloid comprising oligodynamic metal compounds, wherein the oligodynamic metal compounds are a plurality of metal salts, a plurality of metal oxides, or a combination of at least one metal salt and at least one metal oxide.

19₄₆. (Amended) A method for the manufacture of an article comprising casting a composition comprising polymers, monomers, or any combination thereof, and a colloid comprising oligodynamic metal compounds, wherein the oligodynamic metal compounds are a plurality of metal salts, a plurality of metal oxides, or a combination of at least one metal salt and at least one metal oxide.

B⁶
20₄₆. (Amended) An article of manufacture comprising a substrate and an antimicrobial polymer coating located on one or more exposed surfaces of the article, wherein:

the polymer coating comprises one or more polymers and a colloid, wherein the colloid comprises one or more oligodynamic metal compounds, wherein the

ATLLIB02 73912.1

59

B

Serial No. 09/461,846
Amendment After Final
April 8, 2002
Page 5 of 19

B6
cont.
oligodynamic metal compounds are at least one metal salt, at least one metal oxide, or a combination of at least one metal salt and at least one metal oxide; and

the article comprises a medical device.

B7
2441. (Amended) The article of Claim ~~43~~²⁴ wherein the article comprises a catheter, an endotracheal tube, a tracheostomy tube, a wound drainage device, a wound dressing, a stent, an implant, an intravenous catheter, a medical adhesive, a suture, a shunt, a glove, a condom, a contact lens, a gastrostomy tube, medical tubing, cardiovascular products, a heart valve, a pacemaker lead, a guidewire, or urine collection devices.

B8
2751. (Amended) The article of Claim ~~43~~²⁴ wherein the hydrophilic polymer is selected from the group consisting of polyurethanes, polyvinylpyrrolidones, polyvinyl alcohols, polyethylene glycols, polypropylene glycols, polyoxyethylenes, polyacrylic acid, polyacrylamide, carboxymethyl cellulose, cellulose, dextrans, polysaccharides, starches, guar, xanthan and other gums, collagen, gelatins, biological polymers, and mixtures and copolymers thereof.

2851. (Amended) The article of Claim ~~43~~²⁴ wherein the hydrophobic polymer is selected from the group consisting of polytetrafluoroethylene, polyvinyl chloride, polyvinylacetate, poly(ethylene terephthalate), silicone, polyesters, polyamides, polyureas, styrene-block copolymers, polymethyl methacrylate, polyacrylates, acrylic-butadiene-styrene copolymers, polyethylene, polystyrene, polypropylene, natural and synthetic rubbers, acrylonitrile rubber, and mixtures and copolymers thereof.

Serial No. 09/461,846
Amendment After Final
April 8, 2002
Page 6 of 19

Please add the following new Claims 57-62.

³⁴~~57~~. (New) A method for the manufacture of an article comprising:

B⁹
applying a coating composition to a substrate by spraying the coating composition onto the substrate or by dipping the substrate into the coating composition wherein the coating composition comprises polymers, monomers, or any combination thereof, and a colloid, wherein the colloid comprises one or more oligodynamic metal compounds, wherein the oligodynamic metal compounds are at least one metal salt, at least one metal oxide, or a combination of at least one metal salt and at least one metal oxide; and,

allowing the coating composition to form a covering on an exposed surface of the substrate;

wherein the article comprises a medical device.

³⁵~~58~~. (New) A method comprising the steps of:

1) forming a composition that comprises a solution, dispersion, or combination thereof of one or more polymers containing a colloid wherein the colloid comprises one or more oligodynamic metal compounds, wherein the one or more oligodynamic metal compounds are at least one metal salt, at least one metal oxide, or a combination of at least one metal salt and at least one metal oxide; and

2) drying the composition;

wherein the method results in formation of a medical device comprising the composition located on at least one exposed surface.

³⁶~~59~~. (New) The method of Claim ³⁵~~58~~, further comprising processing the dried composition with the application of heat.

ATLL1802 73812.1

Serial No. 09/461,846
Amendment After Final
April 8, 2002
Page 7 of 19

- B9 cont. Sub C2 > 37 6b. (New) A method for the manufacture of an article comprising:
- 1) forming a composition that comprises solution, dispersion, or a combination thereof of one or more polymers containing a colloid wherein the colloid comprises one or more oligodynamic metal compounds, wherein the oligodynamic metal compounds are at least one metal salt, at least one metal oxide, or a combination of at least one metal salt and at least one metal oxide;
 - 2) compounding the composition formed in (1) with one or more polymers; and
 - 3) processing the composition formed in (2) with the application of heat;

wherein the article comprises a medical device and the composition formed in step (2) is located on at least one exposed surface of the article.

38 6b. (New) A method for the manufacture of an article comprising dipping a form in a composition comprising polymers, monomers, or any combination thereof and a colloid comprising one or more oligodynamic metal compounds, wherein:

the oligodynamic metal compounds are at least one metal salt, at least one metal oxide, or a combination of at least one metal salt and at least one metal oxide;

the composition is located on at least one exposed surface of the article; and,

the article comprises a medical device.

39 6b. (New) A method for the manufacture of an article comprising casting a composition comprising polymers, monomers, or any combination thereof, and a colloid comprising one or more oligodynamic metal compounds, wherein:

ATLLEB02 73812.1

Serial No. 09/461,846
Amendment After Final
April 8, 2002
Page 8 of 19

B9
cont.

the oligodynamic metal compounds are at least one metal salt, at least one metal oxide, or a combination of at least one metal salt and at least one metal oxide;

the composition is located on at least one exposed surface of the article; and,

the article comprises a medical device.

ATLLID02 73812.1